

[illegible]

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is said gel described in any of claims 6-12.

14. An electrophoretic method characterized in that a support prepared according to the method of claim 1 is employed.

15. The method of claim 14 wherein a substance to be separated by electrophoresis is a water-soluble substance having one, two, or more cationic and/or anionic electric charges, a neutral substance without electric charge, or any mixture thereof, in the form of a solid, slurry, powder, or solution.

16. The method of claim 15 wherein said substance to be separated by electrophoresis is a nucleic acid.

17. An electrophoretic method of separating nucleic acids or FNA fragments in the presence of a polar organic solvent employing the gel of any of claims 6-12 or a gel prepared according to the method of claim 13.

18. The method of claim 17 wherein said polar organic solvent employed during electrophoresis comprises formamide or an alcohol.

19. The method of claim 18 wherein said alcohol employed during electrophoresis is methanol.

20. The method of any of claims 16-19 wherein said nucleic acid is DNA or RNA.